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David Kirby

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Review Test Submission: Lab 7 Quiz

User	David Kirby
Course	ECE-344L-003 (Spring 2020)
Test	Lab 7 Quiz
Started	5/3/20 12:36 AM
Submitted	5/3/20 12:37 AM
Due Date	5/8/20 12:00 PM
Status	Completed
Attempt Score	85 out of 85 points
Time Elapsed	1 minute
Results Displayed	All Answers, Submitted Answers, Correct Answers

Question 1

10 out of 10 points

According to the Lab 7 requirements, once the system is overheated (temperature more than 80°F) then how the system will get back to normal?

Selected Answer:

☒ When the temperature falls below 80°F

Answers:

☐ When we reset the system even though the temperature more than 80°F

☒ When the temperature falls below 80°F

☐ When the power level hits 7

☐ All of the above

Question 2

10 out of 10 points

What happens when we press switches 1st and 3rd button together, when the temperature is above 75°F and below 79°F, as per the Lab 7 requirements?

Selected Answer: ☒ The first 5 LEDs will illuminate.

Answers: Only 1st and 3rd LED will illuminate.

☒ The first 5 LEDs will illuminate.

None will illuminate.

The first 6 LEDs will illuminate.

Question 3

5 out of 5 points

The JTAG controller has to be disabled before button 3 can be accessed as an input

Selected Answer: ☒ True

Answers: ☒ True
False

Question 4

10 out of 10 points

How is temperature in °C converted into °F ?

Selected Answer: ☒ Both A and B

Answers: $T_1 = T_2 \times 9/5 + 32$

$T_1 = (T_2/18) \times 32.4 + 32$

$T_1 = (T_2 - 32)/1.8$

☒ Both A and B

Question 5

10 out of 10 points

What happens when we press switches 1st and 3rd button together, when the temperature is above 80°F, as per the Lab 7 requirements?

Selected Answer: ☒ None will illuminate.

Answers: The first 6 LEDs will illuminate.

Only 1st and 3rd LED will illuminate.

☒ None will illuminate.

The first 5 LEDs will illuminate.

Question 6

10 out of 10 points

In the lab 7 code, where the following appears:

if (((button_in12 & 0x0040) != 0) && ((button_in12 & 0x0080) != 0)) , then?

Selected Answer: ☒ power = 3;

Answers: power = 2

power = 5;

The system resets

☒ power = 3;

Question 7

5 out of 5 points

DDPCONbits.JTAGEN = 0; //will enable JTAG on the MX7 board

Selected Answer: ☒ False

Answers: True

☒ False

Question 8

10 out of 10 points

What will be displayed on the tera term terminal, per Lab 7 requirements?

Selected Answer: ☒ Temperature in °F or the message "Overheated" when temperature exceeds 80°F

Answers: Temperature in °C

Only the message "Overheated"

☒ Temperature in °F or the message "Overheated" when temperature exceeds 80°F

Temperature in °F

Question 9

5 out of 5 points

```
i2c_data[1] = 0x00;    //select sregister 0 on tmp3 module
```

Selected Answer: ☒ TrueAnswers: ☒ True☐ False**Question 10**

10 out of 10 points

Choose the correct answer.

Selected Answer: ☒ All of the aboveAnswers: I2C is widely used for attaching lower-speed peripheral ICs to processors and microcontrollers with short-distance connectionsI2C is used for controlling small OLED or LCD displays

I2C is a serial two-wire interface used to connect low-speed devices like microcontrollers, EEPROMs, A/D and D/A converters, I/O interfaces and other similar peripherals in embedded systems

☒ All of the above

Sunday, May 3, 2020 12:37:53 AM MDT

← OK